Lecture 4:

<https://www.khanacademy.org/math/differential-equations/first-order-differential-equations/separable-equations/v/separable-differential-equations-introduction>

And the relevant links to the above topic:

<https://www.khanacademy.org/math/differential-equations/first-order-differential-equations/separable-equations/v/addressing-treating-differentials-algebraically>

<https://www.khanacademy.org/math/differential-equations/first-order-differential-equations/separable-equations/v/identifying-separable-equations>

<https://www.khanacademy.org/math/differential-equations/first-order-differential-equations/separable-equations/v/particular-solution-to-differential-equation-example>

<https://www.khanacademy.org/math/differential-equations/first-order-differential-equations/separable-equations/v/using-particular-solution-to-separable-differential-equation>

<https://www.khanacademy.org/math/differential-equations/first-order-differential-equations/separable-equations/e/separable-differential-equations>

<https://www.khanacademy.org/math/differential-equations/first-order-differential-equations/separable-equations/v/separable-differential-equations>

<https://www.khanacademy.org/math/differential-equations/first-order-differential-equations/separable-equations/v/separable-differential-equations-2>